

Finger lancet assembly - has flexible, disposable housing contg. spring defining lancet whi.. Page 1 of 2

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Finger lancet assembly - has flexible, disposable housing contg. s defining lancet which can project through housing opening

Assignee: MILES INC Standard company (MILE...)  
Inventor(s): BRENNEMAN A J; BROWN M K; PURCELL D G; TAYLOR W A;  
WHITSON R C; ZUIDEMA J L;  
1991-157417 / 199122

Accession / Update: 1991-157417 / 199122  
IPC Class: A61B 5/14 ; A61B 17/34 ;

Derwent Classes: P31;

Derwent Abstract

**DERWENT  
RECORD**

(EP0428914A) The assembly includes a housing (12, 102) fabricated of flexible, disposable material. A spring (22) including a first end (30) defining a lancet (32) is mounted in the housing in a stressed position. Upon release of the spring the lancet passes through an opening (34) in the housing to strike a finger positioned against the housing. The lancet (32) is then returned to within the housing by the natural resiliency of the spring (22).

The assembly includes a housing (12, 102) fabricated of flexible, disposable material. A spring (22) including a first end (30) defining a lancet (32) is mounted in the housing in a stressed position. Upon release of the spring the lancet passes through an opening (34) in the housing to strike a finger positioned against the housing. The lancet (32) is then returned to within the housing by the natural resiliency of the spring (22).

In a second embodiment of the lancet assembly (100) the housing (102) is reusable, and a disposable lancet cartridge (104) is mounted on the housing. A cantilever spring (132) is mounted in the housing and is cocked by a slide (146, 148) on the housing. Upon being released from the crooked position, the spring (132, 136) strikes a hammer member (138) engaging an end (112) of a lancet (114) in the lancet cartridge. After puncturing a finger, the lancet is returned to a position within the cartridge by return springs (130). The cartridge is then removed from the lancet assembly and discarded.

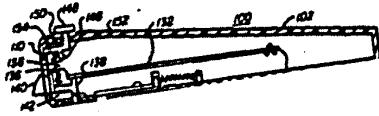
In a second embodiment of the lancet assembly (100) the housing (102) is reusable, and a disposable lancet cartridge (104) is mounted on the housing. A cantilever spring (132) is mounted in the housing and is cocked by a slide (146, 148) on the housing. Upon being released from the crooked position, the spring (132, 136) strikes a hammer member (138) engaging an end (112) of a lancet (114) in the lancet cartridge. After puncturing a finger, the lancet is returned to a position within the cartridge by return springs (130). The cartridge is then removed from the lancet assembly and discarded.

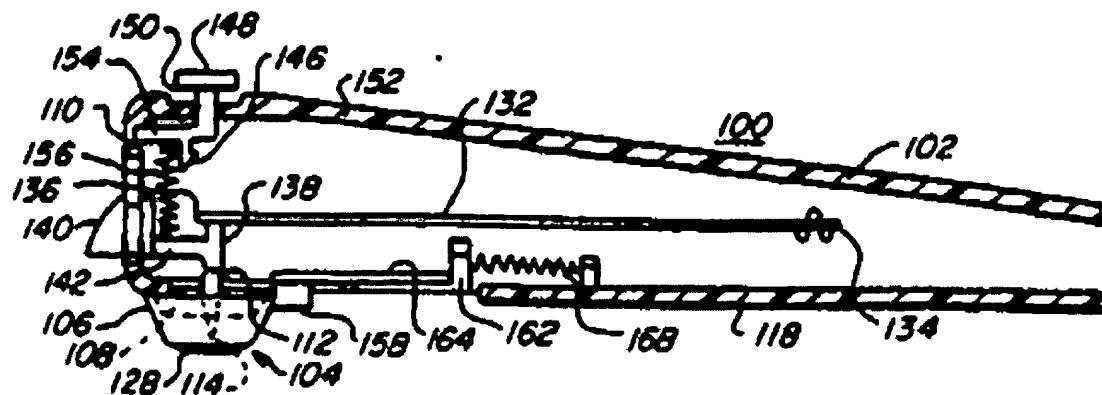
Use - A lancet assembly (10, 100) for making a puncture in a finger.  
Use - A lancet assembly (10, 100) for making a puncture in a finger.

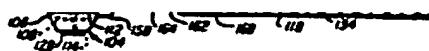
EP0428914A: Dwg.6/8

Abstract info:

Images:



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Family:	Patent	Issued	DW Update	Pages	Language	IPC Class
	<u>EP0428914A</u> *	May 29, 1991	199122		English	A61B 5/14
	Des. States: (R) DE FR GB					
	Local appls.: <u>EP1990000120876</u>	ApplDate:1990-10-31	(90EP-0120876)			
	<u>AU9063242A</u> =	May 16, 1991	199127		English	
	Local appls.:					
	<u>CA2025801A</u> =	May 14, 1991	199130		English	A61B 17/32
	Local appls.:					

Priority Number(s):

Application Number	Application Date	Original Title
US1989000435985	Nov. 13, 1989	

Citations:

DE2131297 : STECHAPPARAT ZUR BLUTENTNAHME  
EP0097748 : PRICKING DEVICE FOR COLLECTING A DROPLET OF BLOOD  
GB2098486 : BLOOD LANCET  
US3760809 : SURGICAL LANCET HAVING CASING  
US4577630 : REUSABLE BREACH LOADING TARGET PRESSURE ACTIVATED L FIRING DEVICE

Title Terms:

FINGER LANCET ASSEMBLE FLEXIBLE DISPOSABLE HOUSING CONTAIN SPRI  
DEFINE LANCET CAN PROJECT THROUGH HOUSING OPEN



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